



# MCP1630-E/MC Information

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For Reference Only

Part Number MCP1630-E/MC
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR MULT TOPOLOGY 8DFN

Package 8-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# MCP1630-E/MC Specifications

Manufacturer Part Number       MCP1630-E/MC         Manufacturer       Microchip Technology         Category       Integrated Circuits (ICs)         Package       8-VFDFN Exposed Pad         Series       -         Output Type       Transistor Driver         Function       Step-Up, Step-Down, Step-Up/Step-Down         Output Configuration       Positive, Isolation Capable         Topology       Buck, Boost, Buck-Boost, Flyback, SEPIC         Number of Outputs       1         Output Phases       1         Voltage - Supply (Vcc/Vdd)       3 V ~ 5.5 V         Frequency - Switching       -         Duty Cycle (Max)       -         Synchronous Rectifier       Yes         Clock Sync       No         Serial Interfaces       -         Control Features       -         Operating Temperature       -40°C ~ 125°C (TI)         Package / Case       8-VFDFN Exposed Pad         Supplier Device Package       8-DFN (2x3)			
CategoryIntegrated Circuits (ICs)PMIC - Voltage Regulators - DC DC Switching ControllersPackage8-VFDFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive, Isolation CapableTopologyBuck, Boost, Buck-Boost, Flyback, SEPICNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VFrequency - Switching-Duty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Manufacturer Part Number	MCP1630-E/MC	
Package 8-VFDFN Exposed Pad  Series - Output Type Transistor Driver Function Step-Up, Step-Down, Step-Up/Step-Down Output Configuration Positive, Isolation Capable Topology Buck, Boost, Flyback, SEPIC  Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Frequency - Switching - Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 8-VFDFN Exposed Pad  8-VFDFN Exposed Pad  Step-Up Switching Controllers  8-VFDFN Exposed Pad  8-VFDFN Exposed Pad  8-VFDFN Exposed Pad  8-DFN (2x3)	Manufacturer	Microchip Technology	
Package8-VFDFN Exposed PadSeries-Output TypeTransistor DriverFunctionStep-Up, Step-Down, Step-Up/Step-DownOutput ConfigurationPositive, Isolation CapableTopologyBuck, Boost, Buck-Boost, Flyback, SEPICNumber of Outputs1Output Phases1Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VFrequency - Switching-Duty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Category	Integrated Circuits (ICs)	
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Function Step-Up, Step-Down, Step-Up/Step-Down Output Configuration Positive, Isolation Capable Topology Buck, Boost, Buck-Boost, Flyback, SEPIC Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V Frequency - Switching - Duty Cycle (Max) - Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)	Series	-	
Output Configuration Positive, Isolation Capable Topology Buck, Boost, Buck-Boost, Flyback, SEPIC  Number of Outputs 1  Output Phases 1  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Frequency - Switching -  Duty Cycle (Max) -  Synchronous Rectifier Yes  Clock Sync No  Serial Interfaces -  Control Features -  Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 8-VFDFN Exposed Pad  Supplier Device Package 8-DFN (2x3)	Output Type	Transistor Driver	
Topology  Buck, Boost, Buck-Boost, Flyback, SEPIC  Number of Outputs  1  Output Phases  1  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Frequency - Switching  -  Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  8-DFN (2x3)	Function	Step-Up, Step-Down, Step-Up/Step-Down	
Number of Outputs  Output Phases  1  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Frequency - Switching  Duty Cycle (Max)  Synchronous Rectifier  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  Supplier Device Package  8-DFN (2x3)	Output Configuration	Positive, Isolation Capable	
Output Phases  1 Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Frequency - Switching  - Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  - Control Features  Operating Temperature  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  1  1  1  3 V ~ 5.5 V  -  Control Features  -  Supplier Device Package  1  1  1  1  1  1  1  1  1  1  1  1  1	Topology	Buck, Boost, Buck-Boost, Flyback, SEPIC	
Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VFrequency - Switching-Duty Cycle (Max)-Synchronous RectifierYesClock SyncNoSerial Interfaces-Control Features-Operating Temperature-40°C ~ 125°C (TJ)Package / Case8-VFDFN Exposed PadSupplier Device Package8-DFN (2x3)	Number of Outputs	1	
Frequency - Switching  Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  8-DFN (2x3)	Output Phases	1	
Duty Cycle (Max)  Synchronous Rectifier  Yes  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  -40°C ~ 125°C (TJ)  Package / Case  8-VFDFN Exposed Pad  Supplier Device Package  8-DFN (2x3)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V	
Synchronous Rectifier Yes Clock Sync No Serial Interfaces - Control Features - Operating Temperature Package / Case Supplier Device Package 8-DFN (2x3)	Frequency - Switching	-	
Clock Sync No  Serial Interfaces -  Control Features -  Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 8-VFDFN Exposed Pad  Supplier Device Package 8-DFN (2x3)	Duty Cycle (Max)	-	
Serial Interfaces - Control Features - Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)	Synchronous Rectifier	Yes	
Control Features - Operating Temperature -40°C ~ 125°C (TJ) Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)	Clock Sync	No	
Operating Temperature -40°C ~ 125°C (TJ)  Package / Case 8-VFDFN Exposed Pad  Supplier Device Package 8-DFN (2x3)	Serial Interfaces	-	
Package / Case 8-VFDFN Exposed Pad Supplier Device Package 8-DFN (2x3)	Control Features	-	
Supplier Device Package 8-DFN (2x3)	Operating Temperature	-40°C ~ 125°C (TJ)	
	Package / Case	8-VFDFN Exposed Pad	
Report errors?	Supplier Device Package	8-DFN (2x3)	
		Report error	ors?

### MCP1630-E/MC Guarantees



### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### MCP1630-E/MC Payment Methods



















### MCP1630-E/MC Shipping Methods













If you have any question about MCP1630-E/MC, please do not hesitate to contact us!

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